

JVC

SERVICE MANUAL

STEREO CASSETTE DECK

MODEL **TD-V66** A/B/C/E/G/J/U



Basic Mechanism

KD-V4

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1 Safety precautions

1. The design of this product contains special hardware. Many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by \triangle on the schematics and parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and/or the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after re-assembling.

5. Leakage current check

(Safety for electrical shock hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

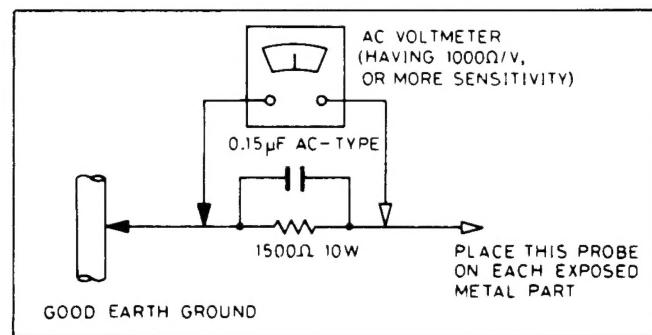
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5 mA AC (r.m.s.).

● Alternate check method.

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10 W resistor paralleled by a $0.15\mu F$ AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.).

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



2 Specifications

Type	: Stereo cassette deck	Channel separation	: 40 dB (1 kHz)
Track system	: 4-track, 2-channel	Heads	: SA head for record METAPERM head for playback
Tape speed	: 1-7/8 inch/sec (4.8 cm/sec)		2-Gap ferrite head for erasing
Frequency response	: (-20 dB recording) Metal tape: 20 – 21,000 (± 3 dB) 15 – 23,000 Hz 15–23000 Hz (DIN 4550) CrO ₂ tape: 20 – 19,000 Hz (± 3 dB) 15 – 21,000 Hz 15–21000 Hz (DIN 4550) Normal tape: 20 – 19,000 Hz (± 3 dB) 15 – 21,000 Hz 15–21000 Hz (DIN 4550) (0 dB recording) Metal tape: 20 – 16,000 Hz (± 3 dB) CrO ₂ tape: 20 – 9,500 Hz (± 3 dB) Normal tape: 20 – 9,500 Hz (± 3 dB)	Motor	: Electric governed DC Motor for capstan and reel x 1 DC Motor (for FF & Rewind) x 1 DC Motor (for Mechanical drive) x 1
S/N ratio	: 58 dB (S = 1 kHz, K3 = 3 %, N = A-weighted, Metal tape) The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz ~ 10 kHz with DOLBY C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with ANRS/DOLBY B NR on.	Fast forward time	: Approx. 100 sec. with C-60 cassette
Improvement of MOL	: 4 dB at 10 kHz with DOLBY C NR on.	Rewind time	: Approx. 100 sec. with C-60 cassette
Wow and flutter (Forward direction)	: 0.038 % (WRMS) 0.12 % (DIN 45 500) (with MAXELL UD tape)	Input terminals	: Input jack x 2
Crosstalk	: 65 dB (1 kHz)	Output terminals	: Output jack x 2
Harmonic distortion	: K3; 0.5 % THD; 1.0 % (Metal tape, 1 kHz 0 Rated Recording Level)	Phones jack x 1	: Output level; 0 – 0.6 mW/8 Ω Matching impedance; 8 Ω – 1 k Ω
Dimensions		Other terminal	: Remote control (for R-70E) x 1 Synchro (Compu Link) x 2
Power requirement			: AC 240/220/120 V, 50/60 Hz (KD-V66A/B/E/G) AC 120 V, 60 Hz (KD-V66C/J) AC 230/127/110V, 50/60 Hz (KD-V66U)
Power consumption	: AC 18 watts		
Weight		Dimensions	: 17-1/4" (435 mm) W 4-3/8" (110 mm) H 11-1/8" (282 mm) D (with feet, buttons, switches)
Accessory		Weight	: Approx. 10.6 lbs (4.8 kg)
		Accessory	: Pin cord 2

Design and specifications subject to change without notice.

3 Location of Main Parts

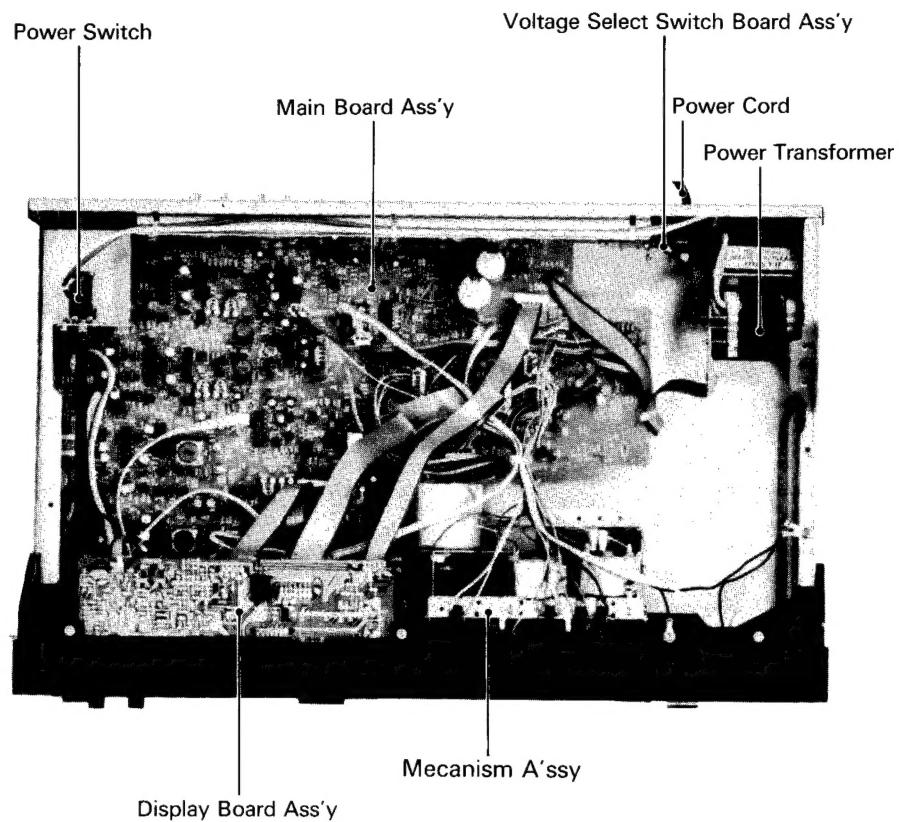


Fig. 3-1

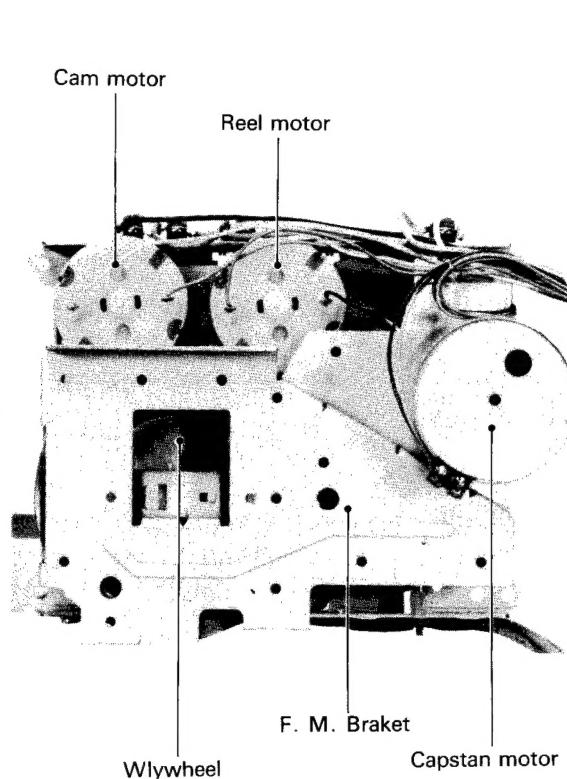


Fig. 3-2

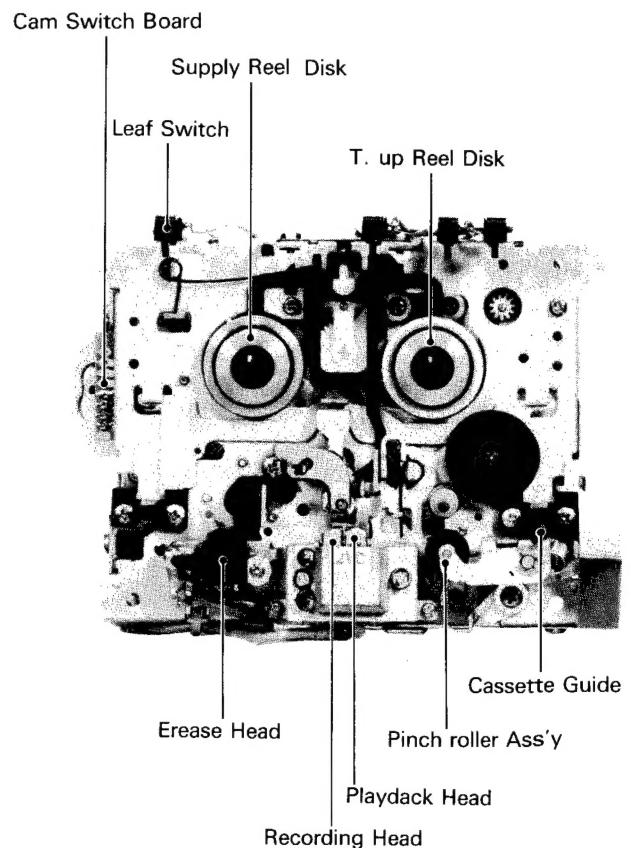


Fig. 3-3

4 Adjustments

Head part

1. Measuring instruments for adjustment

1. **Audio generator** (range: 50 Hz – 20 kHz and output of 0 dB with terminal impedance of 600 ohms)
2. **Attenuator** (with impedance of 600 ohms)
3. **Electronic voltmeter**
4. **Reference tapes**
 - TMT702 (for head azimuth adjustment) 14 kHz,
 - VTT712 (for tape speed or wow and flutter adjustment) 3kHz,
 - VTT724 (reference level) 1 kHz,
 - VTT739 (playback frequency response),
 - TMT6447 (for music scan),
 - TMT6448 (for music scan)

5. Recording reference tapes

The reference tapes should be TS-9 (UD), TS-6(SA) and TS-7 (ME) or their equivalent.

(Use the designated reference tape of this division.)

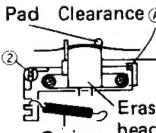
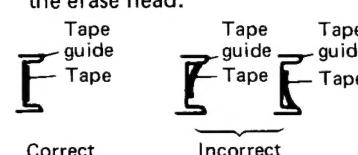
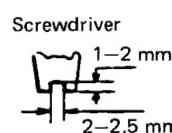
6. Distortion meter (with band pass filter)

7. Torque gauge (cassette) CTG-N

8. **C-120 tape** (for confirming the tape transport) } For mechanism adjustment

2. Mechanism adjustments and repairs

(Mechanism adjustment or confirmation are required before performing the electrical circuit adjustment.)

Items	Adjustment	Adjusting point	Standard value	Remarks
Erase head adjustment	<p>1) Make sure that the moving part of the erase head assembly move smoothly around the pivot of screw ② and also confirm that there is clearance ① as shown in the figure during the playback mode.</p>  <p>2) Check the tape transport as follows. Adjust the height of the erase head with screw ② while observing curl in the tape transport with C-120 tape and adjust so no curl will appear in the tape guide section of the play head or the erase head.</p>  <p>Lock the screws after adjustment.</p>	②		<p>Be sure to perform this adjustment after erase head replacement.</p>  <p>Notes:</p> <ul style="list-style-type: none"> • After adjustment, confirm by ear how effectively the erasure is performed using a metal tape. • After replacement of the erase head, play or record head, loosen the associated wires and clamp a new head then confirm that the new head movement is normal.

Replacement and adjustment of record head and playback head

This deck has three independent heads and the head units are completely separate. However, they are assembled and adjusted on a single head board, therefore they can be dealt with as one unit in principle. Accordingly, replace or adjust the head assembly when any head is defective. In addition,

since certain screws have been precisely adjusted in the factory, care should be taken when handling them as well as referring to the following adjustment items (1. Reference dimensions, 2. Screw explanations, 3. Adjustment methods).

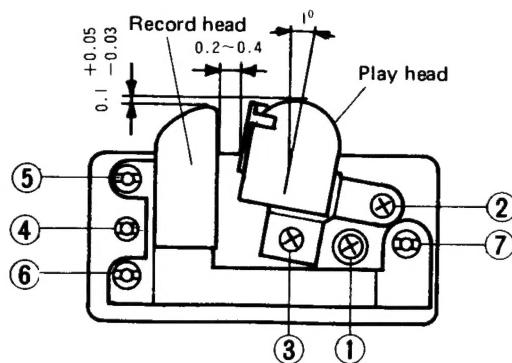


Fig. 4-1

1. Reference dimensions

The reference dimensions of record head and play head are shown in Fig. 4-1. After checking or replacing the head assembly because of characteristic deterioration, confirm that there is no big disagreement.

2. Screw explanations

The screws marked O require adjustment when repairing. The screws marked X are basically required not to move when repairing.

(1) is the head base fixing screw.

(2) and (3) marked X are the play head fixing screws (for adjusting the relative position to the record head).

(4) marked O is a special nut for playback azimuth adjustment.

(5) marked X is a special nut for the record head height adjustment.

(6) marked X is a special nut for the record head tilt adjustment.

(7) marked O is a special nut for the record head azimuth adjustment.

3. Adjusting methods

Perform the following adjustment procedure after head assembly replacement.

1) Play head azimuth

- Connect the LINE OUT jacks to an electronic voltmeter (two-meter VTVM).

- Play test tape TMT-702 and adjust the screw (4) so that the output of electronic voltmeter is optimized.

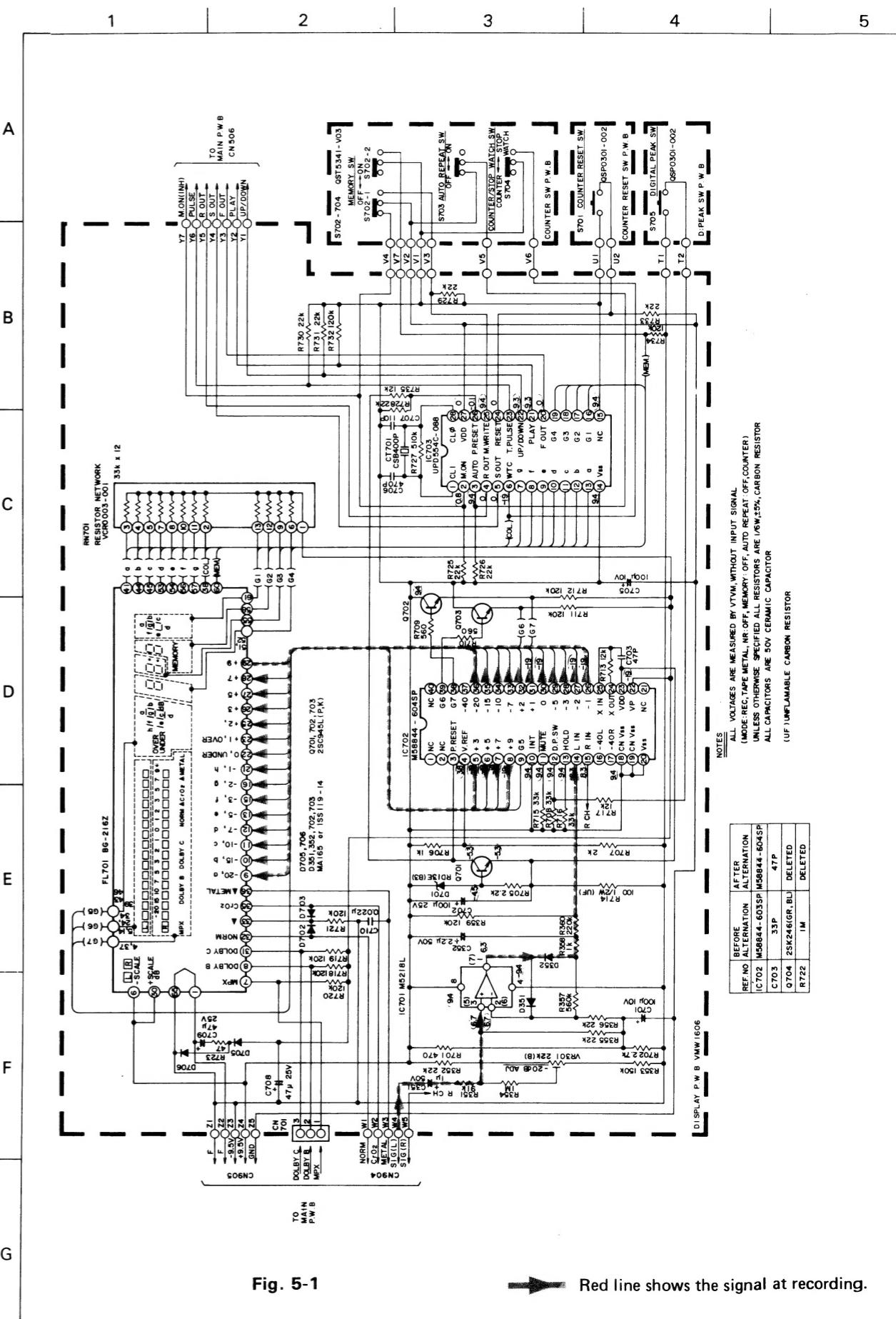
2) Record head azimuth

- Connect the LINE OUT jacks to a two-meter VTVM.
- Observe the simultaneous monitor output with the two-meter VTVM while recording a 14 kHz signal at ODB (Indicator) -20 dB and adjust the screw (7) so that the output is maximum.

Note: Perform this adjustment using the stable middle part of side A of TS-9 (UD) and also confirm it using TS-6 (SA) and TS-7 (ME).

The above adjustments are recommended to check after fixing the mechanical section to the cabinet.

5 Standard Schematic Diagram



Mechanical Adjustment Procedure of Head Section

Adjust the record and erase heads of TD-V66 3-head mechanism with respect to the play head.

Procedure

1. a) Use gauge M300 and confirm that the gauge can be smoothly inserted in the tape guide of the play head. If the gauge hits the tape guide, adjust the thickness of washers under the cassette guide on the play head side.

Parts No. of adjustment washers:

- 0.1 mm 13270412AT
- 0.2 mm 13270412BT
- 0.3 mm 13270412CT

- b) Adjust the azimuth with the azimuth adjustment screw.

2. Next, adjust the height of the erase head. After adjusting with the adjustment screw on the left of the erase head, apply locking paint.

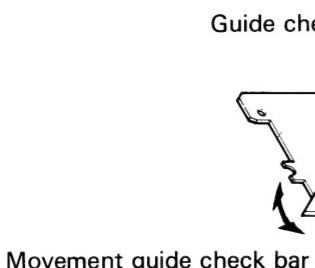


Fig. 4-2

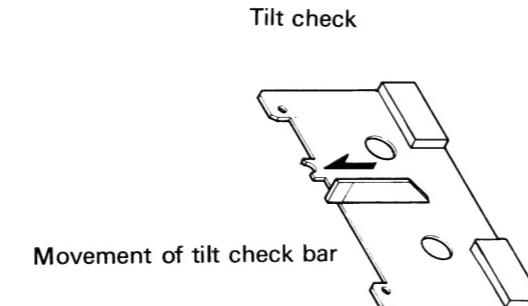


Fig. 4-3

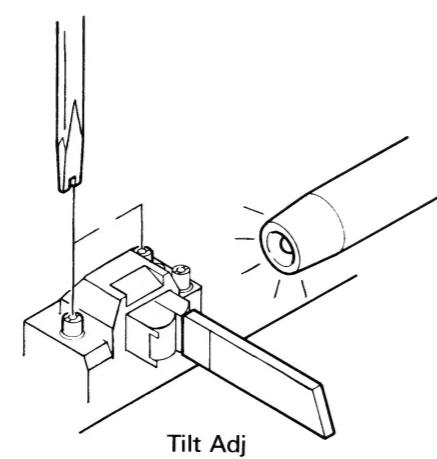
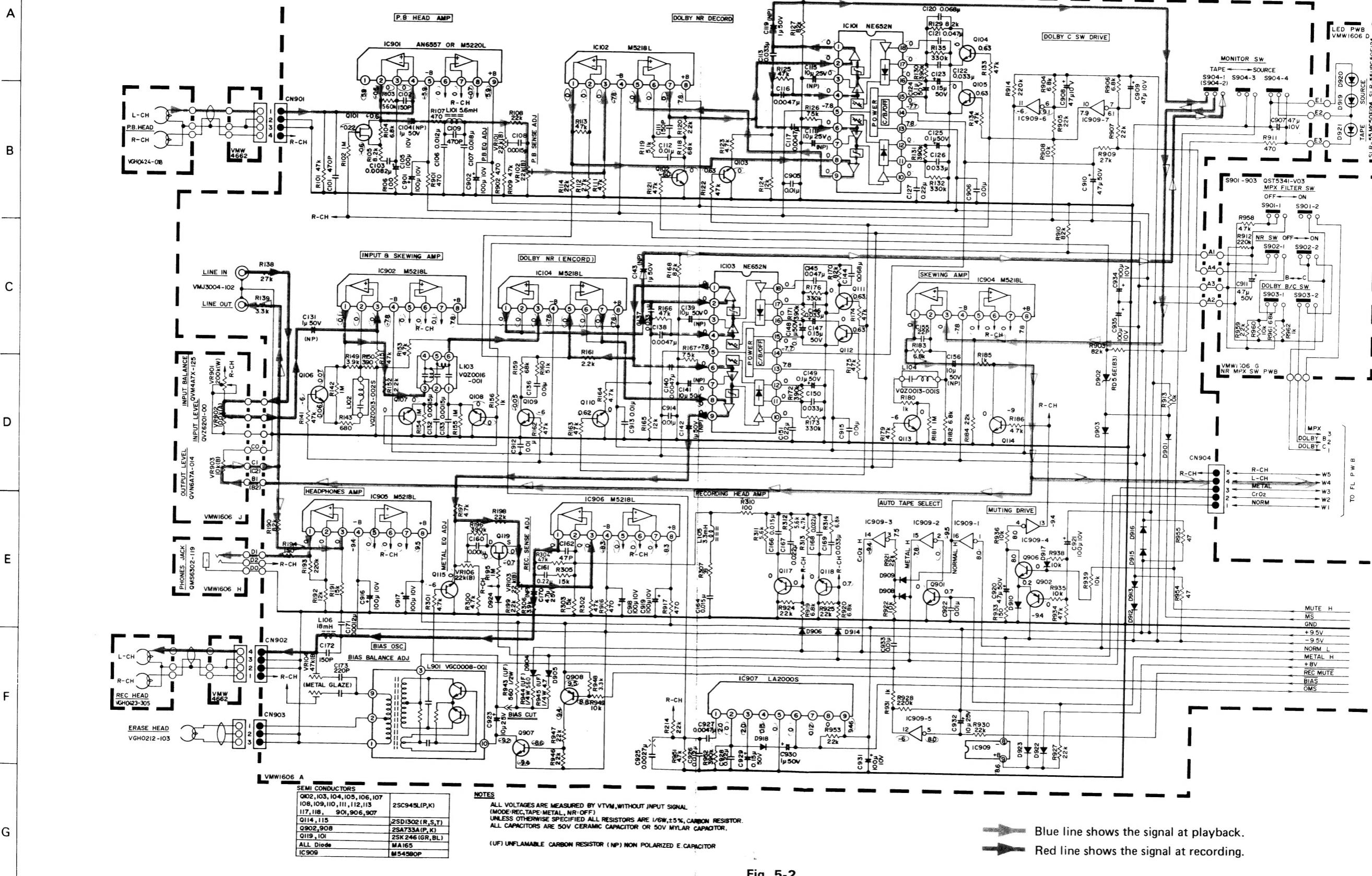


Fig. 4-4

Electronic adjustment are the same as Main adjustment of Model KD-V6.
 Please refer to servicemanual of KD-V6 A/B/C/E/J/U (No. 4230 — page 9).

5 Standard Schematic Diagram (Amplifier Circuit)

1 2 3 4 5 6 7 8 9 10



Blue line shows the signal at playback.
 Red line shows the signal at recording.

Fig. 5-2

5 Standard Schematic Diagram (Mechanism Control Circuit)

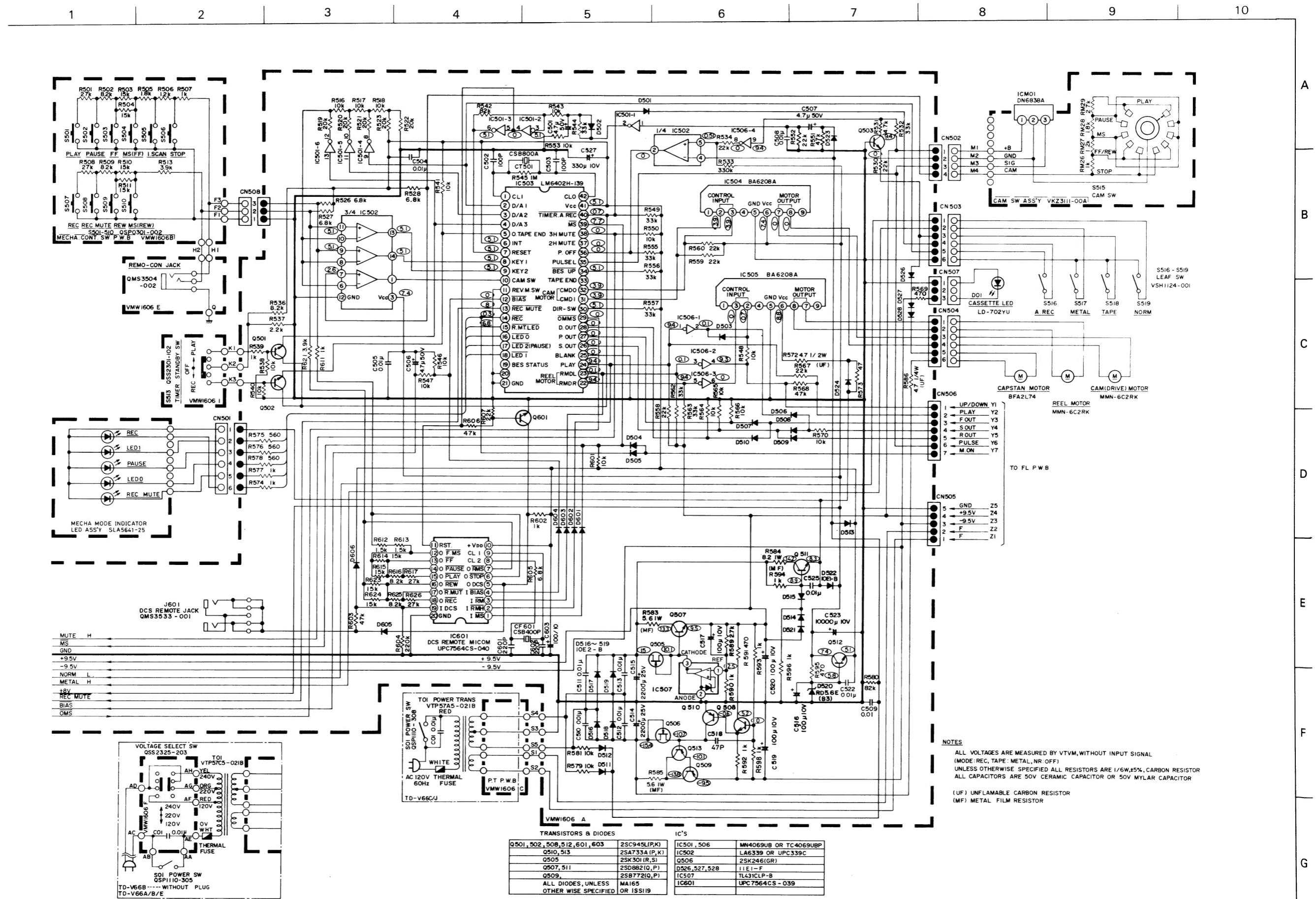


Fig. 5-3

6 Wiring Connections

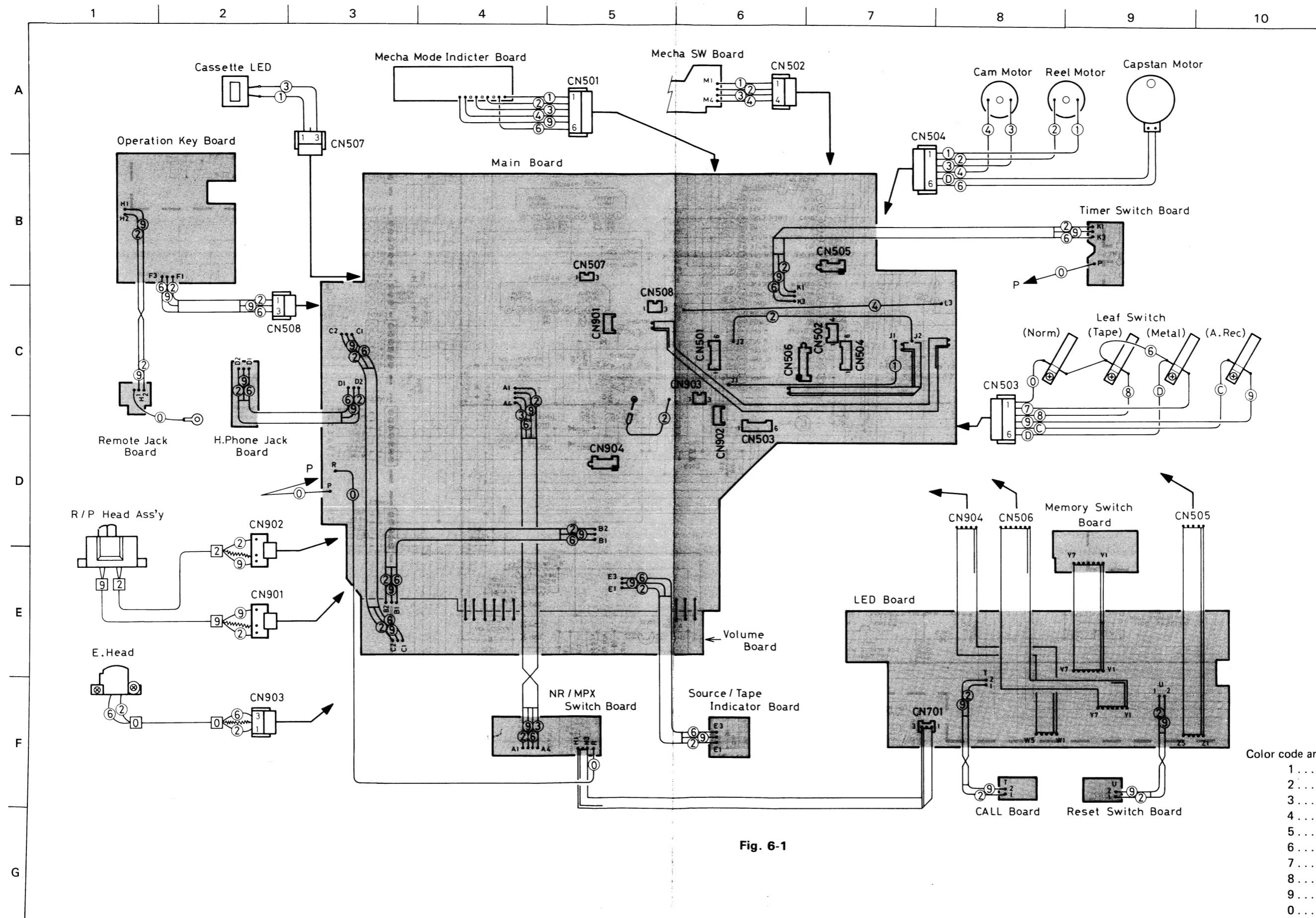
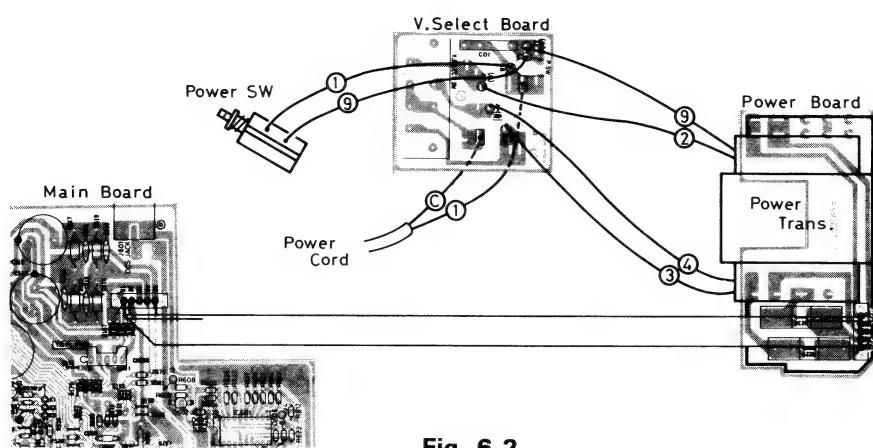
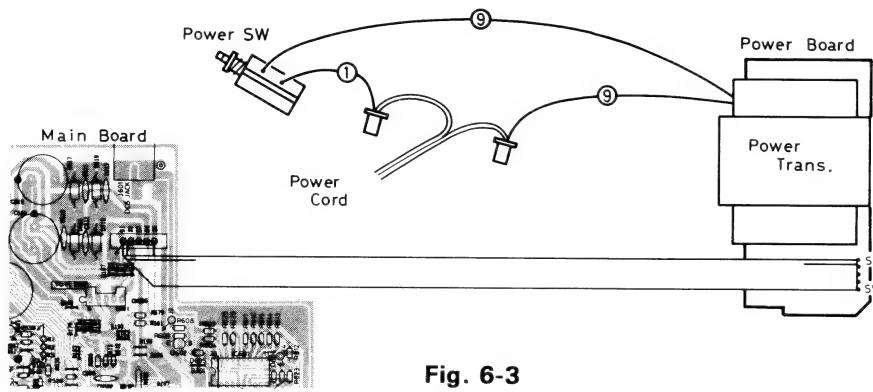


Fig. 6-1

TD-V66 B.E**Fig. 6-2****TD-V66 C.J****Fig. 6-3**

TD-V66 B.E

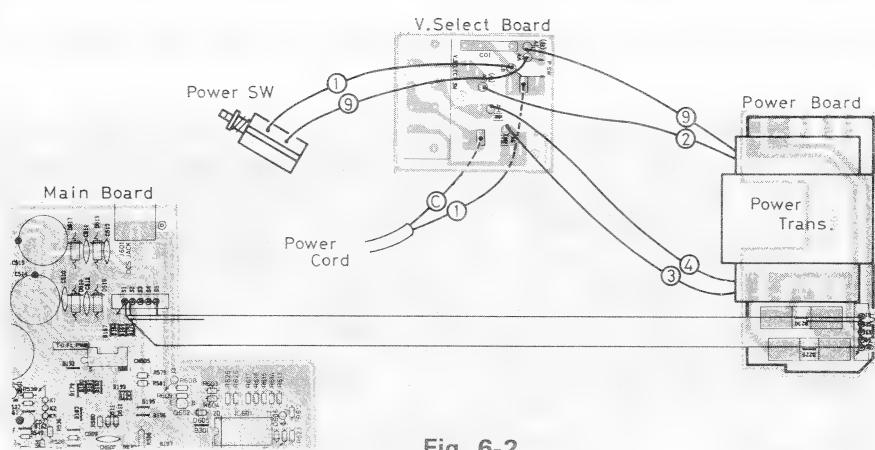


Fig. 6-2

TD-V66 C.J

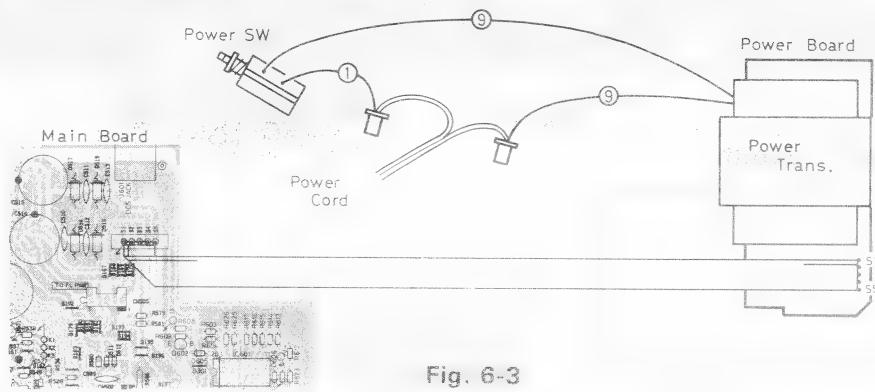


Fig. 6-3

7 Location of P. C. Board Parts and Parts List

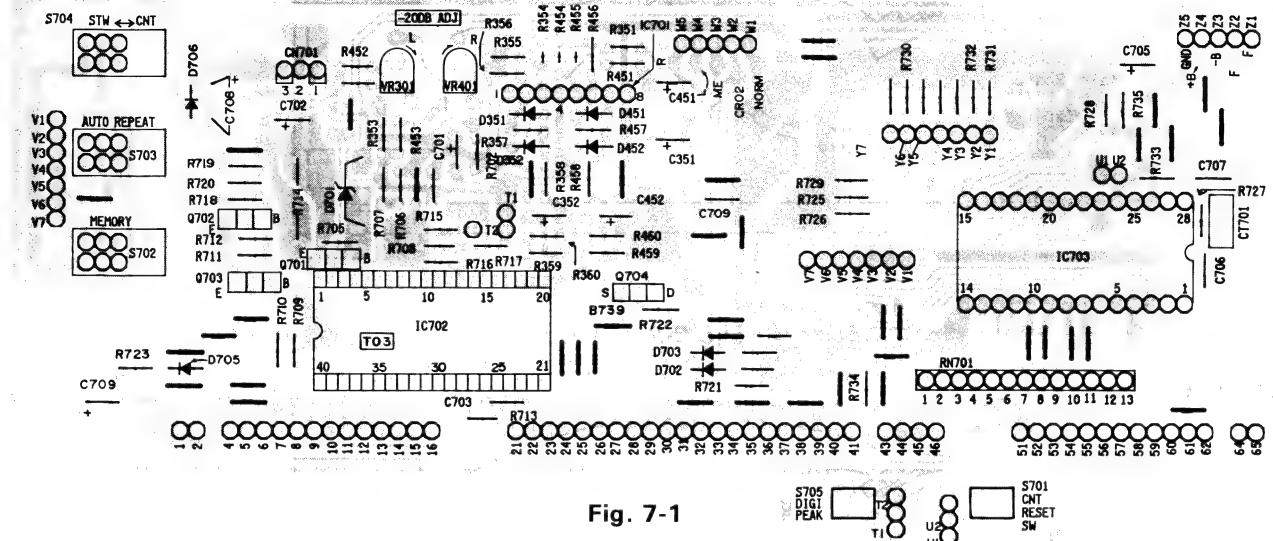
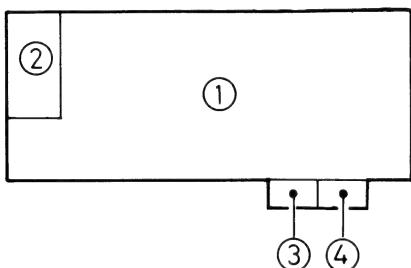


Fig. 7-1

Location of P.C. Board Layout



Location of P.C. Board Layout

LCD Board Parts List

▲	REF. NO	PARTS NO.	PARTS NAME	QTY
	IC701	M5218L	I.C	1
	IC702	M58844-604SP	I.C.	1
	IC703	UPD554C-088	I.C.	1
	Q701 -Q703	2SC945L(P,K)	TTANSISTOR	3
	D351 ✓D352	1SS119	SI.DIODE	8
	D451 ✓D452			
	D702 ✓D703			
	D705 ✓D706			
	VR301,VR401	QVZ1802-223	V RESISTOR	2
	CN701	VMC0007-003	CONNECTOR	1
	S701 ✓S705	QSP0301-002	TACT SWITCH	2
	S702 -S704	QST5341-V01	PUSH SWITCH	1
▲	R714	QRD129J-101	CARBON RESISTOR	1
	R727	QRD144J-514S	C RESISTOR	1
	R358 ✓R458	QRD161J-102	CARBON RESISTOR	3
	R706			
	R354 ✓R454	QRD161J-105	CARBON RESISTOR	2
	R713 ✓R717	QRD161J-123	CARBON RESISTOR	3
	R735			
	R359 ✓R459	QRD161J-124	CARBON RESISTOR	10
	R711 ✓R712			
	R718 -R721			
	R732 ✓R734			
	R353 ✓R453	QRD161J-154	CARBON RESISTOR	2
	R707	QRD161J-202	CARBON RESISTOR	1

1. LCD Board
2. Memory Switch Board
3. CALL Board
4. Reset Switch Board

 Parts are safety assurance parts

When replacing those parts, make sure to use the specified one.

A	REF. NO	PARTS NO.	PARTS NAME	QTY
	R705	QRD161J-222	CARBON RESISTOR	1
	R352 ✓R355	QRD161J-223	CARBON RESISTOR	13
	R356 ✓R452			
	R455 ✓R456			
	R725 ✓R726			
	R728 -R731			
	R733			
	R360 ✓R460	QRD161J-224	CARBON RESISTOR	2
	R702	QRD161J-272	CARBON RESISTOR	1
	R708 ✓R715	QRD161J-333	CARBON RESISTOR	3
	R716			
	R723	QRD161J-470	CARBON RESISTOR	1
	R701	QRD161J-471	CARBON RESISTOR	1
	R709 ✓R710	QRD161J-561	CARBON RESISTOR	2
	R357 ✓R457	QRD161J-564	CARBON RESISTOR	2
	R351 ✓R451	QRD161J-913Y	C RESISTOR	2
	CT701	CSB400P	CELA LOCK	1
	C710	QCF11HP-223	C.CAPACITOR	1
	C707	QCS11HJ-111	C.CAPACITOR	1
	C703	QCS11HJ-470	C.CAPACITOR	1
	C706	QCS11HJ-471	C.CAPACITOR	1
	C701 ✓C705	QET41AR-107	E.CAPACITOR	2
	C702	QET41ER-107	E CAPACITOR	1
	C708 ✓C709	QET41ER-476	E CAPACITOR	2
	C351 ✓C451	QET41HR-105	E.CAPACITOR	2
	C352 ✓C452	QET51HR-225N	F CAPACITOR	2

7 Location of P. C. Board Parts and Parts List

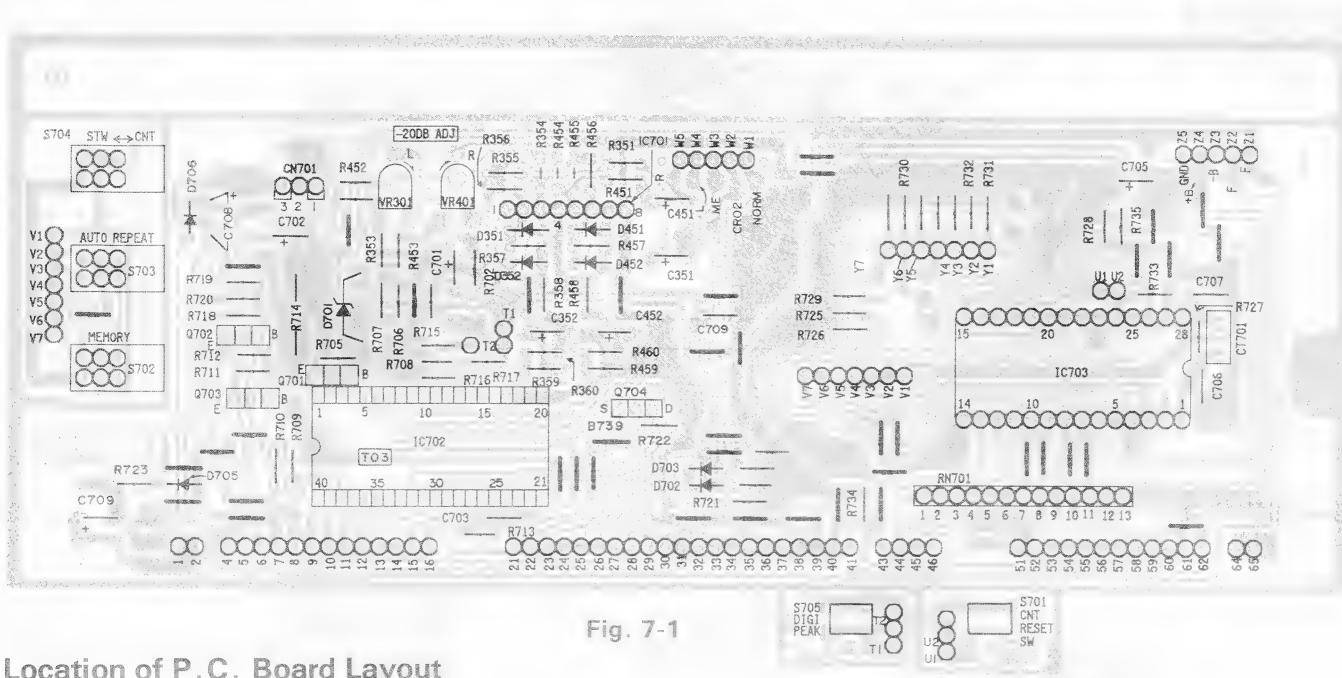
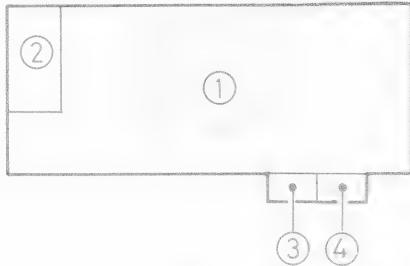


Fig. 7-1

Location of P.C. Board Layout



Location of P.C. Board Layout

LCD Board Parts List

1. LCD Board
2. Memory Switch Board
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4. Reset Switch Board

REF. NO	PARTS NO.	PARTS NAME	QTY	
IC701	M5218L	I.C.	1	
IC702	M58844-604SP	I.C.	1	
IC703	UPD554C-088	I.C.	1	
Q701	-Q703	2SC945L(P,K)	TRANSISTOR	3
D351	/D352	1SS119	SI.DIODE	8
D451	/D452			
D702	/D703			
D705	/D706			
VR301	/VR401	QVZ1802-223	V RESISTOR	2
CN701		VMC0007-003	CONNECTOR	1
S701	/S705	QSP0301-002	TAFT SWITCH	2
IS702	/S704	GST534J-V01	PUSH SWITCH	1
AR714		QRD129J-101	CARBON RESISTOR	1
R727		QRD144J-514S	C RESISTOR	1
R358	/R458	QRD161J-102	CARBON RESISTOR	3
R706				
R354	/R454	QRD161J-105	CARBON RESISTOR	2
R713	/R717	QRD161J-123	CARBON RESISTOR	3
R735				
R359	/R459	QRD161J-124	CARBON RESISTOR	10
R711	/R712			
R718	-R721			
R732	/R734			
R353	/R453	QRD161J-154	CARBON RESISTOR	2
R707		QRD161J-202	CARBON RESISTOR	1

 Parts are safety assurance parts

When replacing those parts, make sure to use the specified one.

REF. NO	PARTS NO.	PARTS NAME	QTY
R705	QRD161J-222	CARBON RESISTOR	1
R352	QRD161J-223	CARBON RESISTOR	13
R356	R452		
R455	R456		
R725	R726		
R728	R731		
R733			
R360	R460	QRD161J-224	2
R702		QRD161J-272	1
R708	R715	QRD161J-333	3
R716			
R723		QRD161J-470	1
R701		QRD161J-471	1
R709	R710	QRD161J-561	2
R357	R457	QRD161J-564	2
R351	R451	QRD161J-913Y	2
CT701		CSB400P	1
C710		QCF11HP-223	1
C707		QCS11HJ-111	1
C703		QCS11HJ-470	1
C706		QCS11HJ-471	1
C701	C705	QET41AR-107	2
C702		QET41ER-107	1
C708	C709	QET41ER-476	2
C351	C451	QET41HR-105	2
C352	C452	QET51HR-225N	2

Main Board Parts List

REF. NO	PARTS NO.	PARTS NAME	QTY
IC901	AN6557	I.C.	1
IC504, IC505	BA6208A	I.C.	2
IC907	LA2000S	I.C.	1
IC502	LA6339	I.C.	1
IC503	LM6402H-139	I.C.	1
IC102, IC104	M5218L	I.C.	8
IC202, IC204			
IC902, IC904			
IC905, IC906			
IC909	M54580P	I.C.	1
IC101, IC103	NE652N	I.C.	4
IC201, IC203			
IC501, IC506	TC4069UBP	I.C.	2
IC507	TL431CLP-B	I.C. (M)	1
IC601	UPD7564CS-040	I.C. (M)	1
Q510, Q513	2SA733A(P, K)-T	TRANSISTOR	4
Q902, Q908			
Q509	2SB772(Q, P)	SI. TRANSISTOR	1
Q102, Q113	2SC945L(P, K)-T	TRANSISTOR	37
Q117, Q118			
Q202, Q213			
Q217, Q218			
Q501, Q503			
Q508, Q512			
Q601, Q901			
Q906, Q907			
Q114, Q115	2SD1302(RST)TA	TRANSISTOR	4
Q214, Q215			
Q507, Q511	2SD882(Q, P)	SI. TRANSISTOR	2
Q101, Q119	2SK246(GR)E2	FET	5
Q201, Q219			
Q506			
Q505	2SK301(R, S)TA	TRANSISTOR	1
D921	SLR-55MC50F124	L.E.D.	1
D919, D920	SLR-55URC50F124	L.E.D.	2
D501, D515	1SS119	SI.DIODE	36
D521, D523			
D524, D901			
D903, D906			
D908, D910			
D912, D918			
D922, D924			
D601, D606	1SS254T-77	SI.DIODE	6
D522	10E1-B	SI.DIODE	1
△D516, D519	10E2-B	SI.DIODE	4
D526, D528	11E1-F	SI.DIODE	3
VR901	QVM4A7X-125	V.RESISTOR	1
VR903	QVN6A7A-014	V.RESISTOR	1
VR101~VR103	QVZ1802-223	V RESISTOR	8
VR106, VR201			
VR202, VR203			
VR206			
VR104, VR204	QVZ3501-473	V.RESISTOR	2
VR902	QVZ6201-003	V.RESISTOR	1
CN505, CN904	E04365-005	CONNECTOR	2
CN506	E04365-007	CONNECTOR	1
CN507, CN508	QMV5005-003	CONNECTOR	3
CN903			
CN502	QMV5005-004	CONNECTOR	1
CN501, CN503	QMV5005-006	PLUG	3
CN504			
CN901, CN902	QMV5010-004	CONNECTOR	2
S501, S510	QSP0301-002	TACT SWITCH	10
S513	QSS2301-102	SLIDE SWITCH	1
S904	QST5102-V02	PUSH SWITCH	1
S901, S903	QST5341-V03	PUSH SWITCH	1
L901	VGC0008-001	BLOCK	1
L106, L206	VQP0001-183S	INDUCTOR	2
L105, L205	VQP0001-332S	INDUCTOR	2
L101, L201	VQP0001-562S	INDUCTOR	2
L104, L204	VQZ0013-001S	FILTER	2
L102, L202	VQZ0013-002S	FILTER	2
L103, L203	VQZ0016-001	FILTER	2
R572	QRD129J-4R7	C RESISTOR	1
△R943	QRD129J-561	OMF. RESISTOR	1
△R586, R945	QRD149J-4R7S	C RESISTOR	2
△R944	QRD149J-561S	CARBON RESISTOR	1
R106, R206	QRD161J-101	CARBON RESISTOR	4
R310, R410			
△R156, R180	QRD161J-102	CARBON RESISTOR	20
R185, R256			
R280, R285			
R507, R539			
R574, R577			
R590, R592			

⚠ Parts are safety assurance parts

When replacing those parts, make sure to use the specified one.

REF. NO	PARTS NO.	PARTS NAME	QTY
R593, R594			
R596, R598			
R602, R611			
R931, R962			
R516, R518	QRD161J-103	CARBON RESISTOR	28
R538, R540			
R541, R543			
R546, R548			
R550, R553			
R564, R566			
R570, R579			
R581, R601			
R908, R913			
R922, R935			
R936, R938			
R939, R949			
R960			
R102, R142	QRD161J-105	CARBON RESISTOR	13
R154, R155			
R181, R195			
R202, R242			
R254, R255			
R281, R295			
R545, R506	QRD161J-122	CARBON RESISTOR	1
R124, R165	QRD161J-123	CARBON RESISTOR	6
R192, R224			
R265, R292	QRD161J-151	CARBON RESISTOR	3
R194, R294			
R933			
R303, R403	QRD161J-152	CARBON RESISTOR	4
R612, R613	QRD161J-153	CARBON RESISTOR	12
R191, R291			
R305, R405			
R503, R504			
R510, R511			
R614, R615	QRD161J-182	CARBON RESISTOR	1
R623, R624	QRD161J-203	CARBON RESISTOR	5
R505			
R519, R523	QRD161J-222	CARBON RESISTOR	10
R120, R152			
R161, R199			
R220, R252	QRD161J-223	CARBON RESISTOR	27
R261, R299			
R537, R959			
R108, R114			
R184, R198			
R208, R214			
R284, R298			
R530, R534			
R551, R552			
R558, R560			
R567, R607			
R905, R907			
R921, R924			
R925, R927			
R930, R946			
R947, R953	QRD161J-224	CARBON RESISTOR	7
R193, R293			
R604, R912			
R914, R928			
R112, R212	QRD161J-272	CARBON RESISTOR	3
R589	QRD161J-273	CARBON RESISTOR	7
R138, R238			
R501, R508			
R617, R626			
R909			
R139, R239	QRD161J-332	CARBON RESISTOR	3
R948			
R532, R544	QRD161J-333	CARBON RESISTOR	8
R549, R555			
R556, R557			
R562, R563	QRD161J-334	CARBON RESISTOR	9
R132, R135			
R173, R176			
R232, R235			
R273, R276			
R533			
R307, R407	QRD161J-390	C RESISTOR	2
R150, R250	QRD161J-391	CARBON RESISTOR	2
R149, R249	QRD161J-392	CARBON RESISTOR	6
R306, R406			
R513, R621			
R130, R131	QRD161J-394	C RESISTOR	11
R171, R172			

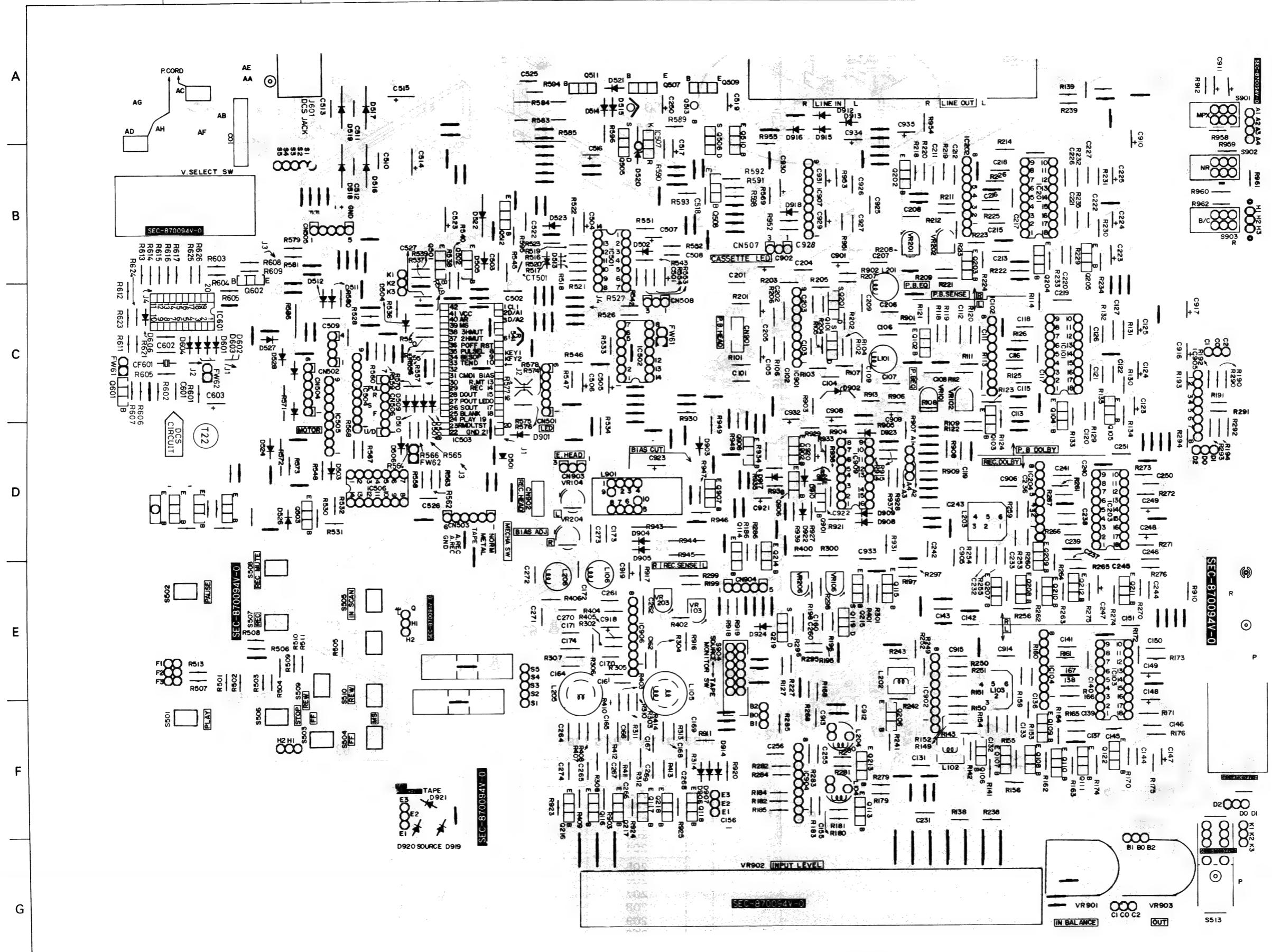
⚠ Parts are safety assurance parts

When replacing those parts, make sure to use the specified one.

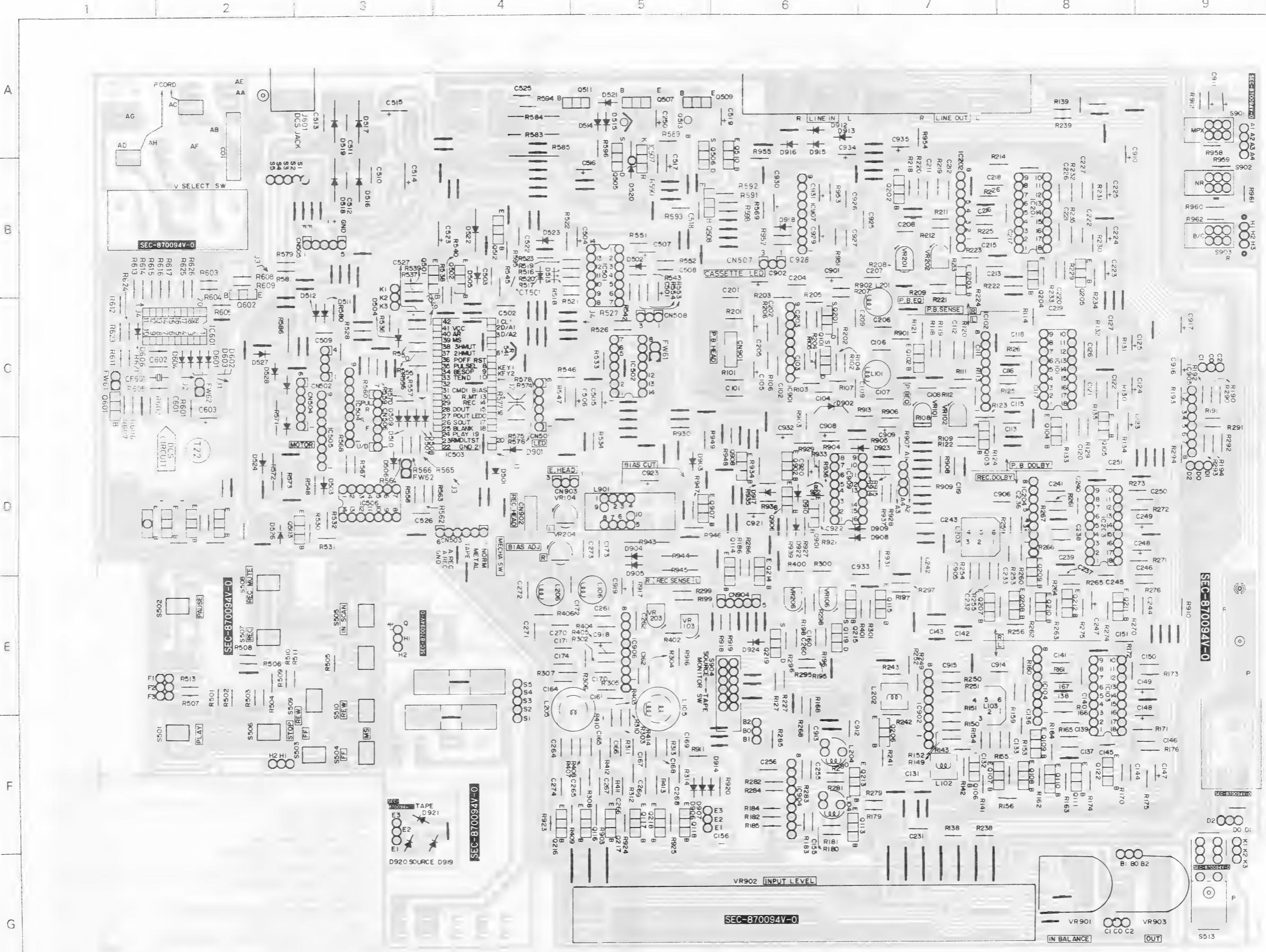
REF. NO	PARTS NO.	PARTS NAME	QTY
R196 /R230			
R231 /R271			
R272 /R296			
R952			
R573 /R954	QRD161J-470	CARBON RESISTOR	3
R955			
△R107 /R207	QRD161J-471	CARBON RESISTOR	10
R569 /R591			
R595 /R901			
R902 /R911			
R916 /R917			
R109 /R123	QRD161J-472	CARBON RESISTOR	21
R153 /R164			
R186 /R197			
R209 /R223			
R253 /R264			
R286 /R297			
R300 /R301			
R313 /R400			
R401 /R413			
R531 /R951			
R958			
R101 /R111	QRD161J-473	CARBON RESISTOR	40
R113 /R121			
R122 /R125			
R133 /R134			
R141 /R151			
R162 /R163			
R166 /R174			
R175 /R179			
R201 /R211			
R213 /R221			
R222 /R225			
R233 /R234			
R241 /R251			
R262 /R263			
R266 /R274			
R275 /R279			
R302 /R304			
R402 /R404			
R568 /R603			
R606 /R934			
R119 /R160	QRD161J-512	CARBON RESISTOR	4
R219 /R260			
△R575 /R576	QRD161J-561	CARBON RESISTOR	3
R578			
R311 /R312	QRD161J-562	CARBON RESISTOR	4
R411 /R412			
R103 /R203	QRD161J-564	CARBON RESISTOR	2
R143 /R243	QRD161J-681	CARBON RESISTOR	2
R104 /R182			
R183 /R204	QRD161J-682	CARBON RESISTOR	17
R282 /R283			
R314 /R414			
R526 /R528			
R605 /R904			
R906 /R919			
R920 /R961			
R118 /R159	QRD161J-683	CARBON RESISTOR	4
R218 /R259			
R126 /R167	QRD161J-753	CARBON RESISTOR	4
R226 /R267			
R105 /R205	QRD161J-822	CARBON RESISTOR	7
R502 /R509			
R536 /R616			
R625			
R127 /R129	QRD161J-823	CARBON RESISTOR	14
R168 /R170			
R190 /R227			
R229 /R268			
R270 /R290			
R542 /R580			
R903 /R910			
△R583 /R585	QRX019J-5R6	M.F. RESISTOR	2
△R584	QRX019J-8R2	M.F. RESISTOR	1
CF601	CSB400P	CELA LOCK	1
CT501	CSB800A	LOCK	1
C504 /C505	QCF11HP-103	C.CAPACITOR	19
C508 /C513			
C522 /C525			
C526 /C905			
C906 /C912			
C913 /C915			
C922 /C933			
C502 /C503	QCS11HJ-101	C.CAPACITOR	2

REF. NO	PARTS NO.	PARTS NAME	QTY
C102 /C111	QCS11HJ-151	C.CAPACITOR	4
C202 /C211			
C155 /C255	QCS11HJ-220	C.CAPACITOR	2
C173 /C273	QCS11HJ-221	C.CAPACITOR	4
C601 /C602			
C162 /C262	QCS11HJ-470	C.CAPACITOR	3
C518			
C101 /C109	QCS11HJ-471	C.CAPACITOR	4
C201 /C209			
C172 /C272	QCS32HJ-151ZV	C.CAPACITOR	2
C170 /C270	QEN41EM-475	NP.E.CAPACITOR	2
C115 /C118	QEN61EM-106Z	NP.E.CAPACITOR	10
C139 /C141			
C156 /C215			
C218 /C239			
C241 /C256			
C104 /C119	QEN61HM-105Z	NP.E.CAPACITOR	10
C131 /C142			
C143 /C204			
C219 /C231			
C242 /C243			
C105 /C205	QET41AR-107	E.CAPACITOR	17
C516 /C517			
C519 /C520			
C603 /C901			
C902 /C916			
C917 /C919			
C921 /C931			
C934 /C935			
C527	QET41AR-337	E.CAPACITOR	1
C908 /C909	QET41AR-476	E.CAPACITOR	2
C923 /C932	QET41ER-106	E.CAPACITOR	2
△C514 /C515	QET41ER-228	E.CAPACITOR	2
C124 /C125	QET41HR-104	E.CAPACITOR	8
C148 /C149			
C224 /C225			
C248 /C249			
C930	QET41HR-105	E.CAPACITOR	1
C123 /C147	QET41HR-154	E.CAPACITOR	5
C223 /C247			
C929			
C501 /C506	QET41HR-475	E.CAPACITOR	6
C507 /C910			
C911 /C920			
C523	QET51AR-109N	E.CAPACITOR	1
C160 /C260	QFN41HJ-102	M.CAPACITOR	2
C171 /C271	QFN41HJ-122	M.CAPACITOR	2
C108 /C132	QFN41HJ-152	M.CAPACITOR	6
C133 /C208			
C232 /C233			
C925			
C116 /C117	QFN41HJ-272	M.CAPACITOR	1
C138 /C140	QFN41HJ-472	M.CAPACITOR	9
C216 /C217			
C238 /C240			
C927			
C103 /C203	QFN41HJ-822	M.CAPACITOR	2
C112 /C136	QFV41HJ-103	TF.CAPACITOR	4
C212 /C236			
C107 /C207	QFV41HJ-183	TF.CAPACITOR	2
C167 /C168	QFV41HJ-223	TF.CAPACITOR	4
C267 /C268			
C127 /C151	QFV41HJ-224	TF.CAPACITOR	7
C161 /C227			
C251 /C261			
C928			
C113 /C122			
C126 /C137			
C146 /C150			
C169 /C213			
C222 /C226			
C237 /C246			
C250 /C269			
C121 /C145	QFV41HJ-473	TF.CAPACITOR	4
C221 /C245			
C120 /C144	QFV41HJ-683	TF.CAPACITOR	4
C220 /C244			
C106 /C206	QFV71HJ-123ZM	T.F.CAPACITOR	3
C926			
C164 /C166	QFV71HJ-153ZM	T.F.CAPACITOR	4
C264 /C266			
J601	QMS3533-001	JACK	1
J1	QWE351-164K4K	UL VINYL WIRE	1
J2	QWE352-164K4K	UL VINYL WIRE	1
J4	QWE354-224K4K	UL VINYL WIRE	1
FW62	VWS302-164K4K	UL CP JUMPER	1
FW61	VWS302-254K4K	UL CP JUMPER	1

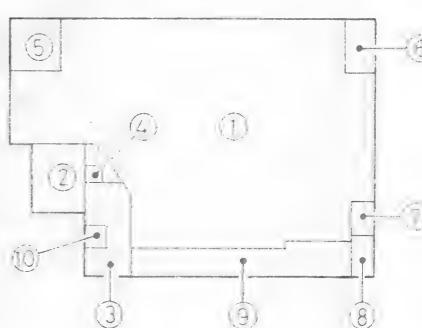
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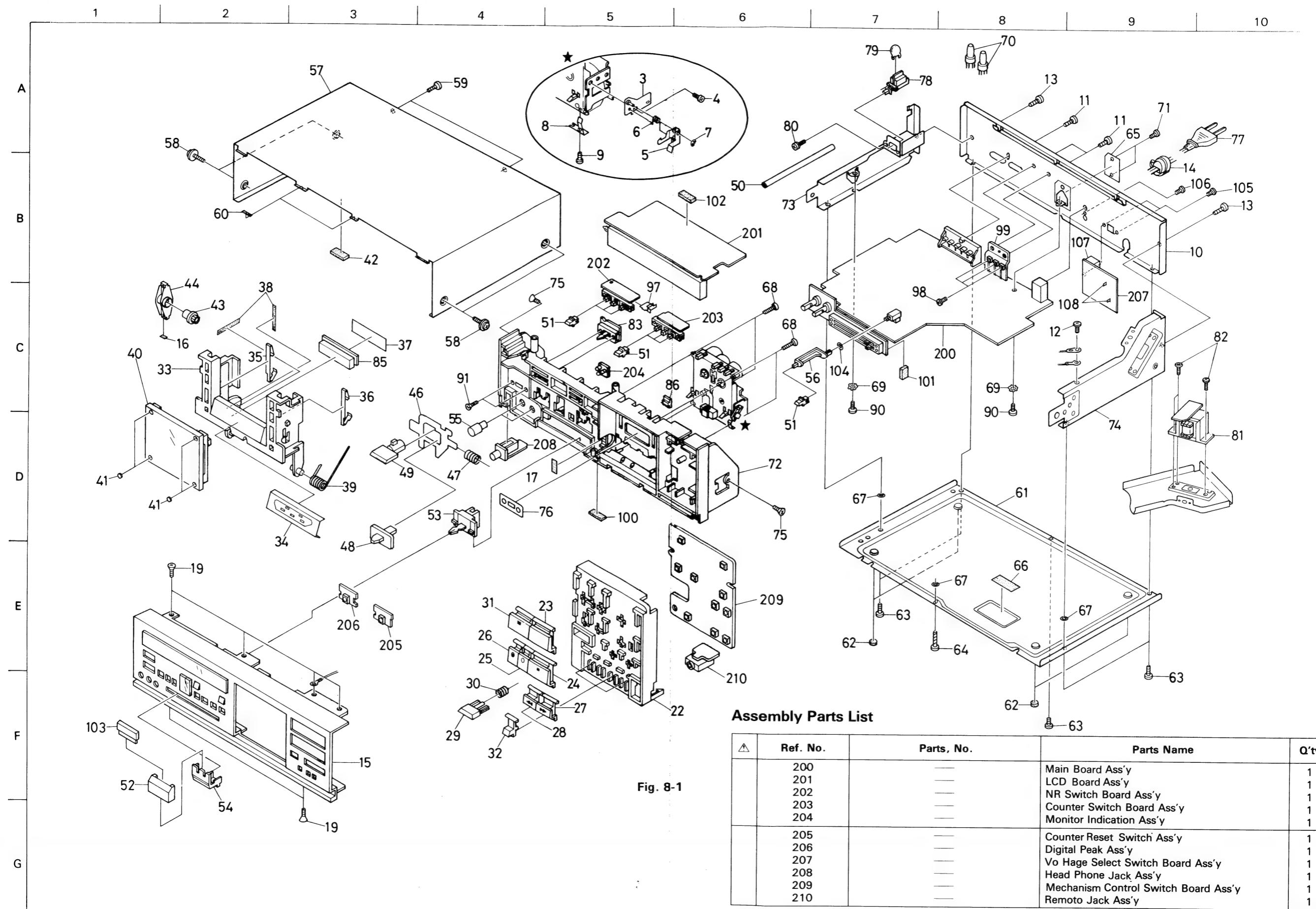
Location of P.C. Board Layout



1. Main Board
2. Operation key Board
3. Power Board
4. Remote Jack Board
5. V. Select Board
6. NR/MPX Switch Board
7. H. Phone Jack Board
8. Timer Switch Board
9. Volume Board
10. Source/Tape Indicator Board

Fig. 7-2

8 Exploded View of Enclosure Assembly



Enclosure Parts List

REF	PARTS NO.	PARTS NAME	REMARKS	QTY
3	VKL5324-00B	BRACKET		1
4	SDST2604Z	SCREW		1
5	VKL3491-002	EJECT LEVER		1
6	VKW4396-002	SPRING		1
7	REE2500	E.RING		1
8	VKY4296-001	SPRING		1
9	SDST2603Z	SCREW		1
10	VJC2127-012	REAR PANEL	TD-V66C/J	1
	VJC2127-013	REAR PANEL	TD-V66A/B/E/G/U	1
11	SDSF3008N	SCREW	FOR HEAT SINK	2
	SDSF3008N	SCREW	FOR PIN JACK	1
12	SDST3006Z	SCREW	FOR LUG	1
13	SDST3006N	SCREW	FOR REAR PANEL	2
14	QHS3876-162	S.R.BUSHING	TD-V66A/C/E/G/J/U	1
	QHS3876-162BS	S.R.BUSHING	TD-V66B	1
15	ZCTDV66Y-FBK	FRONT PLATE ASS'Y		1
16	VYSS1R3-011	SPACER		1
17	VYSA1R8-029	SPACER		1
19	SSSF3008Z	SCREW		6
22	VJD2210-001	P.BUTTON CASE		1
23	VXP3098-003	PUSH BUTTON	FOR PLAY	1
24	VXP3098-004	PUSH BUTTON	FOR STOP	1
25	VXP3099-001	PUSH BUTTON	FOR REC	1
26	VXP3099-002	PUSH BUTTON	FOR REC MUTE	1
27	VXP3100-004	PUSH BUTTON	FOR FF	1
28	VXP3100-003	PUSH BUTTON	FOR REW	1
29	VXP4349-00A	PUSH BUTTON		1
30	VKW3001-063	COMP SPRING		1
31	VXP3102-002	PUSH BUTTON	FOR PAUSE	1
32	VXP4348-001	PUSH BUTTON	FOR IS/BS/MS	3
33	VJT2121-001	CASSETTE HOLDER		1
34	VJD4953-001	LID PLATE		1
35	VKY4271-007	C.SPRING		1
36	VKY4271-008	C.SPRING		1
37	VYSA1R4-066	SPACER		1
38	FO0303-34	SPACER		2
39	VKW3006-091	SPRING		1
40	VJT4116-00B	CASSETTE LID		1
41	VJD4954-001	ESCUTCHEON		4
42	VYSR103-019	SPACER		1
43	VYH5133-002	GEAR		1
44	VYH5134-002	DAMPER HOLDER		1
46	VKL5490-002	BRACKET		1
47	VKW3001-077	C.SPRING		1
48	VXS4041-005	SLIDE KNOB		1
49	VXP4345-001	PUSH BUTTON		1
50	VKS4003-008	PIPE		1
51	VXP4346-001	PUSH BUTTON		7
52	VXS4175-001	SLIDE KNOB	FOR INPUT	1
53	VKS3184-002	SLIDE LEVER		1
54	VKS3265-001	LEVER		1
55	VXL4181-005	KNOB		2
56	VYH5139-002	ARM		1
57	VJC2101-005	TOP COVER		1
58	VKZ3001-004	SPECIAL SCREW		4
59	SDST3006N	SCREW		2
60	VYSA1R8-027	SPACER		2
61	VJC1195-010	BOTTOM COVER		1

△ Parts are safety assurance parts
When replacing those parts, make sure to use the specified one.

REF	PARTS NO.	PARTS NAME	REMARKS	QTY
62	VJF4003-002	FOOT		4
63	SDST3006Z	SCREW		5
64	SBSF3010Z	SCREW		1
65	VYN2167-002KA	NAME PLATE	TD-V66B	1
	VYN2167-003KA	NAME PLATE	TD-V66A	1
	VYN2167-004KA	NAME PLATE	TD-V66C	1
	VYN2167-005KA	NAME PLATE	TD-V66E	1
	VYN2167-006KA	NAME PLATE	TD-V66J	1
	VYN2167-007KA	NAME PLATE	TD-V66U	1
	VYN2167-008KA	NAME PLATE	TD-V66G	1
66	VYSA1R4-071	SPACER		1
67	VYSS201-006	SPACER		3
68	SBSF3010Z	SCREW		4
69	WBS3000N	WASHER	FOR P.C.BOARD	2
70	VMC0044-001	CONNECTOR	TD-V66C/J	2
71	SDST3006N	SCREW	FOR NAME PLATE	2
72	VJC1311-001	FRONT PANEL		1
73	VKL3488-001	AMP.CHASSIS(L)		1
74	VKL3494-001	AMP.CHASSIS(R)		1
75	SSST3006Z	SCREW	FOR FRONT PANEL	2
76	VJD4437-004	DISK PLATE		2
77	QMP1200-200	POWER CORD	TD-V66C/J	1
	QMP2560-200	POWER CORD	TD-V66A	1
	QMP3900-200	POWER CORD	TD-V66E/G/U	1
	QMP9017-008BS	AC CORD	TD-V66B	1
78	QSP1110-305	PUSH SWITCH	TD-V66A/E/G	1
	QSP1110-305BS	PUSH SWITCH	TD-V66B	1
	QSP1110-308	PUSH SWITCH	TD-V66C/J	1
79	QCZ9014-103	C.CAPACITOR	TD-V66C/J	1
	QFZ9010-103	M.CAPACITOR	TD-V66A/B/E/G	1
80	LPSP3006Z	SCREW	FOR POWER SWITCH	1
81	VTP57A5-021B	POWER TRANSF.	TD-V66C/J	1
	VTP57C5-021B	POWER TRANSF.	TD-V66A/E/G	1
	VTP57C5-021BBS	POWER TRANSF.	TD-V66B	1
82	SDST3006Z	SCREW	FOR P.TRANSFORMER	3
85	SLA-5641-25	L.E.D		1
86	LD-702YU	L.E.D		1
90	SDST3006Z	SCREW	FOR P.C.BOARD	2
91	SSSP2606Z	SCREW	FOR TIMER SWITCH	2
97	VMA4194-001	SHIELD PLATE	FOR S901	1
98	DPSP3008Z	SCREW		3
99	VMH4006-002	HEAT SINK		1
100	VYSS1R5-012	SPACER		1
101	VYSR110-011	SPACER		1
102	VYSR105-004	SPACER		1
103	VJD4955-002	FINDER		1
104	Q03093-502	WASHER		1
105	SDSP3006N	SCREW	FOR V.SELECT	2
106	SDSF3008N	SCREW	FOR SYNCHRO	1
107	QSS2325-203	SLIDE SWITCH	TD-V66A/E/G	1
108	QSS2325-203BS	SLIDE SWITCH	TD-V66B	1
	VMZ0034-002	TAB	TD-V66A/B/E/G/U	2

9 Exploded View of Mechanism Assembly

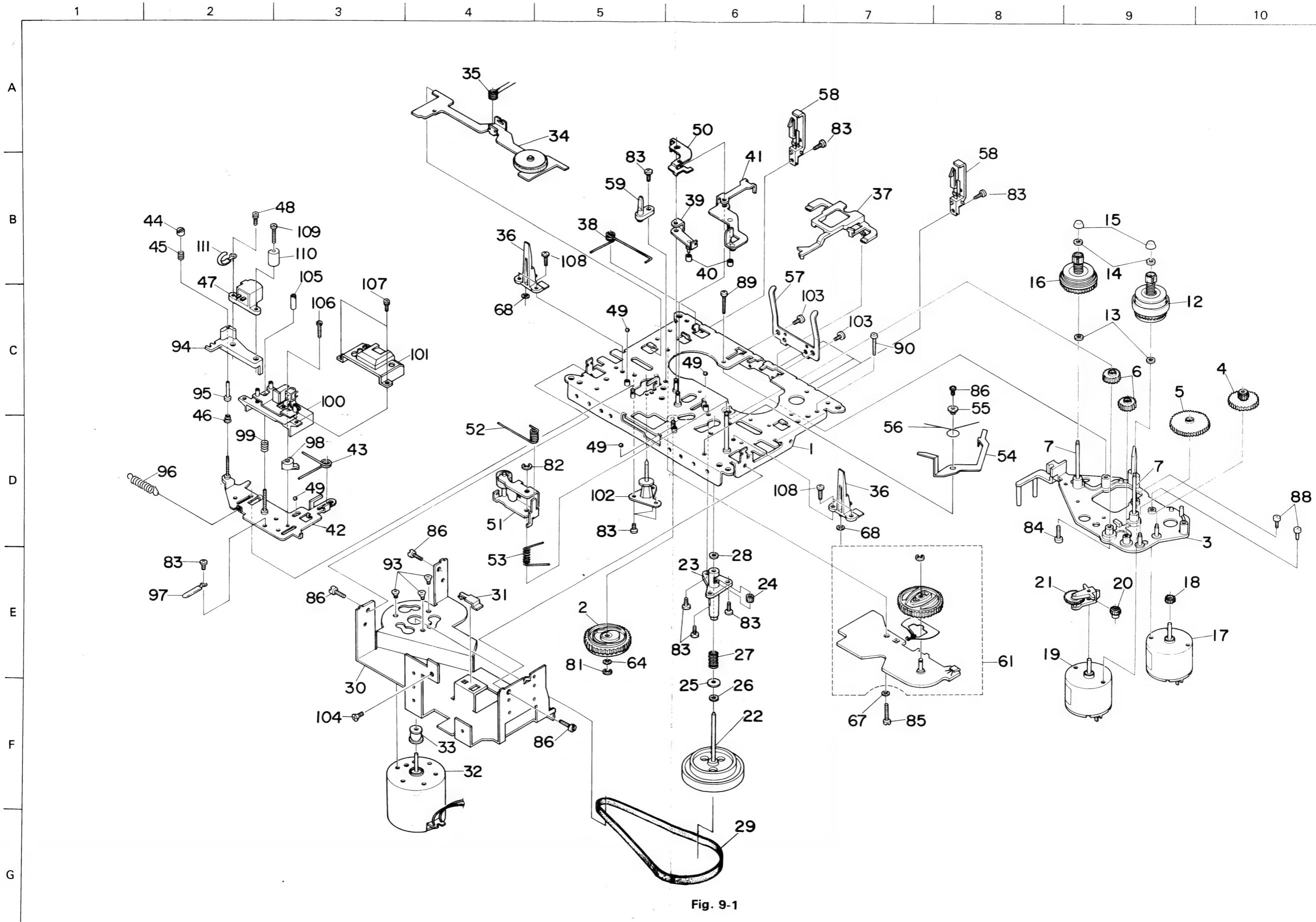


Fig. 9-1

Mechanism Parts List**⚠ Parts are safety assurance parts**

When replacing those parts, make sure to use the specified one.

Ⓐ	REF.	PARTS NO.	PARTS NAME	REMARKS	Q.T.Y
	1	VKL2175-00D	CHASSIS BASE		1
	2	VKS2122-001	P.ROLLER CAM		1
	3	VKL2174-002	DISK BASE		1
	4	VKR3001-001	GEAR(2)		1
	5	VKR3001-002	GEAR(2)		1
	6	VKR3000-001	GEAR(1)		2
	7	VKH4188-002	REEL SHAFT		2
	12	VKR4449-00A	T-UP REEL ASS'Y		1
	13	VKZ4003-010	FELT	BACK TENSION	1
		VKZ4003-010	FELT	BACK TENSION	1
	14	VKR4170-001	RING		1
		VKR4170-001	RING		1
	15	VKS4131-001	REEL STOPPER		1
		VKS4131-001	REEL STOPPER		1
	16	VKR4450-00A	S.REEL ASS'Y		1
	17	MMN-6C2RK	DC MOTOR	CAM	1
	18	VKR4326-001	MOTOR GEAR	CAM MOTOR	1
	19	MMN-6C2RK	DC MOTOR	REEL	1
	20	VKR3000-003	GEAR(1)	REEL MOTOR	1
	21	VKS4503-00C	F/R ASS'Y		1
	22	VKF3141-00A	FYWHEEL ASS'Y		1
	23	VKF4122-00A	C.METAL ASS'Y		1
	24	VKR4180-002	ROLLER	TAKE-UP	1
	25	Q03093-622	WASHER	THRUST	1
	26	Q03093-827	WASHER	THRUST	1
	27	VKW3001-010	SPRING	THRUST	1
	28	Q03093-522	WASHER	OIL CUT	1
	29	VKB3001-030	BELT		1
	30	VKL3726-001	F.M.BRACKET		1
	31	VKS4437-001	THRUST PLATE		1
Ⓐ	32	BFA2L74-B	DC MOTOR	CAPSTAN	1
	33	VKR4317-002	MOTOR PULLEY		1
	34	VKL3411-00C	T-UP IDLER ASSY		1
	35	VKW3006-099	TORSION SPRING	TAKE-UP	1
	36	VKS4505-004	CASSETTE GUIDE		2
	37	VKS3162-003	BRAKE BAR		1
	38	VKW4597-002	TORSION SPRING	BRAKE BAR	1
	39	VKL5316-00B	HEAD BASE ARM		1
	40	VKH3000-058	COLLAR		1
		VKH3000-058	COLLAR		1
	41	VKL3421-00A	PINCH R.LEVER		1
	42	VKL3493-00C	HEAD BASE ASS'Y		1
	43	VKW4467-001	TORSION SPRING		1
	44	VKH4240-001	ADJUST SCREW		1
	45	VKW3001-040	C.SPRING		1
	46	VKW4430-001	C.SPRING		1
	47	VGH0212-103	ERASER HEAD		1
	48	LPSP2012Z	SCREW	E.HEAD	1
	49	T41615-004	STEEL BALL	FOR HEAD BASE	4
	50	VKY4278-002	PLATE	FOR HEAD BASE	1
	51	VKP4131-00C	P.R.ARM ASS'Y		1
	52	VKW3006-056	TORSION SPRING	PINCH ROLLER	1
	53	VKW3006-057	TORSION SPRING	RETURN	1
	54	VKL5553-001	DOOR SAFETY		1

⚠ Parts are safety assurance parts
When replacing those parts, make sure to use the specified one.

⚠ REF.	PARTS NO.	PARTS NAME	REMARKS	Q.T.Y
55	VKH4418-001	COLLAR	DOOR SAFETY	1
56	VKW3006-061	TORSION SPRING	DOOR SAFETY	1
57	VKY4279-001	PACK SPRING		1
58	VSH1124-002	LEAF SWITCH		4
59	VKS4512-002	GUIDE		1
61	VKZ3111-00A	SWITCH	CAM SWITCH ASS'Y	1
64	Q03093-834	WASHER	P.ROLLER CAM	1
67	WNS2600N	WASHER	CAM SWITCH	1
68	13270412 BT	WASHER	CASSETTE GUIDE	2
81	REE2000	E.RING	P.ROLLER CAM	1
82	REE2500	E.RING	PINCH ROLLER	1
83	SDST2605Z	SCREW	GUID POST	1
	SDST2605Z	SCREW	C.METAL/TENSION	6
	SDST2605Z	SCREW	LEAF SWITCH	4
84	SDST2605Z	SCREW	WIRE HOLDER	1
85	SDST2608Z	SCREW	D.BASE UNIT	1
86	SDST2612Z	SCREW	D.BASE UNIT	1
	SDST2605Z	SCREW	DOOR SAFETY	1
	SDST2605Z	SCREW	F.M.BRACKET	3
88	DPSP2608Z	SCREW	REEL MOTOR	1
	DPSP2608Z	SCREW	CAM/REEL MOTOR	1
89	SPSP2613Z	SCREW	REEL MOTOR	1
90	SPSP2615Z	SCREW	CAM MOTOR	1
93	SSSP2604Z	SCREW	CAPSTAN MOTOR	3
94	VKF4110-001	E.HEAD LEVER		1
95	VKH3001-041	FLANGE COLLAR		1
96	VKW3002-138	TENSION SPRING		1
97	VKZ4001-007	WIRE HOLDER		1
98	VKS4536-002	HEAD COLLAR		1
99	VKW3001-094	SPRING		1
101	VKZ3110-001	HEAD COVER		1
102	VKS4598-00A	TENSION HOLDER	TENSION	1
103	SDST2604Z	SCREW	PACK SPRING	2
104	SSST2605Z	SCREW	F M BRACKET	1
105	VKH4411-001	AZIMATH SCREW		1
106	SPSX2010N	SCREW		1
107	LPSP2004Z	SCREW	HEAD COVER	2
108	SDST2606Z	SCREW	CASSETTE GUIDE	4
109	LPSP2005Z	SCREW	E.HEAD	1
110	VKH4874-001	COLLAR (R)	E.HEAD	1

10 Packing and Packing Parts List

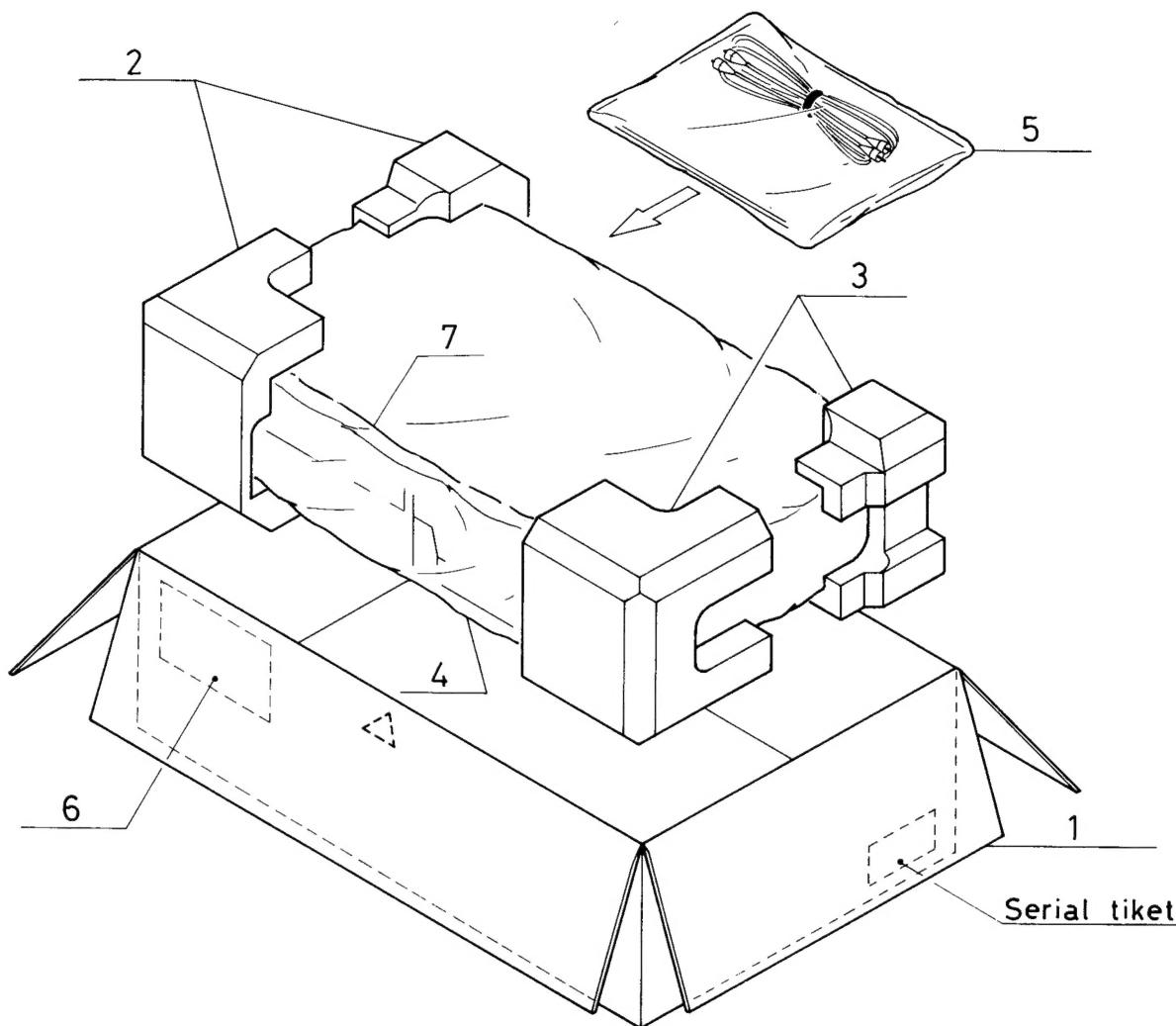


Fig. 10-1

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	TPC2167-002	Carton	TD-V66B	1
"	VPC2167-003		"	1
"	VPC2167-004		TD-V66A	1
"	VPC2167-005		"	1
"	VPC2167-006		TD-V66C	1
"	VPC2167-007	"	TD-V66E	1
"	VPC2167-008	"	TD-V66J	1
2	VPH3125-001	Cushion	TD-V66U	1
3	VPH3126-001	Cushion	TD-V66G	1
4	VPE3005-026	Poly bag	Left side	1
			Right side	1
			for unit	1
5	VPE3005-007	Poly bag	for Inst. Book	1
6	E66416-003	Envelope	TD-V66J/U(PX, EES)	1
7	VPK4002-006	Sheet	for warranty card	1
	Q04141H	Wire clamp	for unit	1
			for power card	1

11 Accessories

⚠	Parts No.	Parts Name	Remarks	Q'ty
	VNN2167-211 VNN2167-621 VNN2167-411	Instruction Book " "	TD-V66 B/E/G TD-V66 A/C/J/U TD-V66 E (Netherlands/Belgium)	1 1 1
	BT20060 BT20066 BT20029C	Warranty Card " "	TD-V66 B TD-V66 B/G (for JED) TD-V66 A	1 1 1
	BT20025H BT20047C BT20064 BT20071A BT20046B	" " " Service Center List Special Reply Card	TD-V66 C TD-V66 J/U (for PX, EES) TD-V66 G (for JED) TD-V66 C TD-V66 J/U	1 1 1 1 1
	BT20044E VNC1200-002 VNC5311-203 VNC5311-204 VNC2200-013	Safety Guide Copyright Law Warning Caution Card Caution Card Instruction Sheet	TD-V66 J TD-V66 C TD-V66 U (for EES) TD-V66 U (for PX) TD-V66 G	1 1 1 1 1
	VMP0039-00A EWP805-001 V04062-001	Pin Cord Remote Wire Simens Plug (2)	TD-V66 U	1 1 1

JVC

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